



HAZARDOUS MATERIALS CONTROL CENTER



Fort Carson , Colorado
Information Brief
Presented By: Ms. Anju Chugh



“HazMat PHARMACY”



PURPOSE:

**TO ENSURE PROPER MANAGEMENT OF
HAZARDOUS MATERIAL BY CONSOLIDATING &
TRACKING THE REQUISITION, RECEIPT,
STORAGE, DISTRIBUTION & DISPOSAL OF ALL
HAZARDOUS MATERIAL AT FORT CARSON.**

BENEFITS:

- IMPROVED MISSION READINESS**
- IMPROVED ECONOMICS**
- ENVIRONMENTAL COMPLIANCE**
- IMPROVED WORKER SAFETY**



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



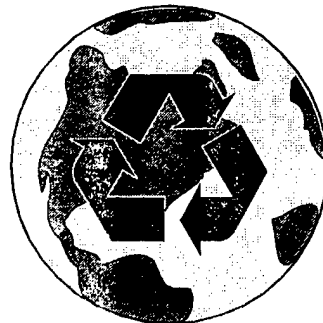
HOW IT WORKS:

ALL INCOMING
& EXCESS
HAZARDOUS
MATERIAL



UNIT PICK UP
EMERGENCY
DELIVERIES

DISPOSAL





HAZARDOUS SUBSTANCE MANAGEMENT SYSTEM (HSMS)



PURPOSE:

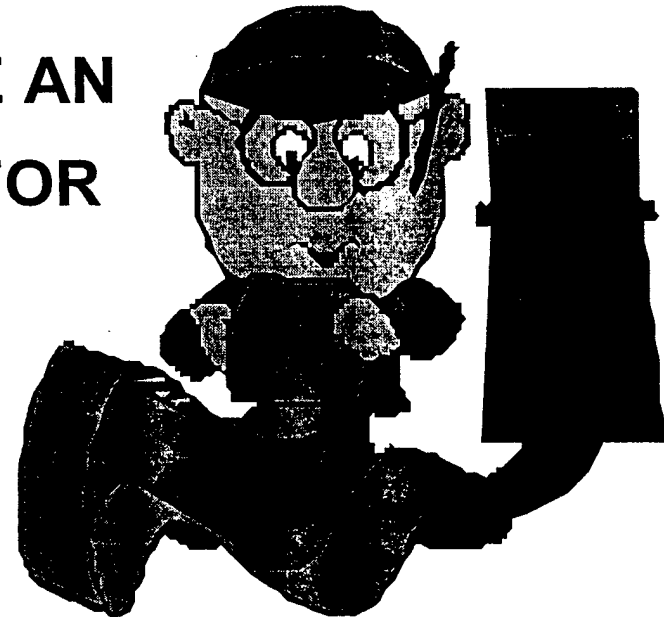
**TO PROVIDE AN
AUTOMATED TRACKING TOOL FOR
THE HAZARDOUS SUBSTANCE
MANAGED BY THE PHARMACY.**

BENEFITS:

TRACKS HAZARDOUS MATERIAL/WASTE

**ASSISTS IN MEETING REPORTING REQUIREMENTS AS
MANDATED BY:**

- THE EMERGENCY PLANNING & COMMUNITY RIGHT
TO KNOW ACT (EPCRA)**
- THE POLLUTION PREVENTION ACT (PPA)**





PROGRAM ISSUES



CONTINGENCIES

HOW MUCH?
HOW QUICKLY?

GARRISON

QUANTITIES?

SUPPLY

SARSS?
STOCKS?

ORGANIZATION

LOGISTICS?
ENVIRONMENTAL?

COMPLIANCE

EPA/OSHA/DOT?
CO?
DOD?
DA?
Fort Carson?

EQUIPMENT

WHAT?

PERSONNEL

FUNDING?
TRAINED?





FORT CARSON'S HMCC CONCEPT OF OPERATIONS



HOW IT WORKS:

ORGANIZATION:

Issue: The Hazardous Material Control Center is a Logistics function with Environmental benefits.

Fort Carson Solution:

- ⇒ Integration of HMCC Program into the DOL
- ⇒ Coordination with DECAM for Environmental oversight
- ⇒ Contracted Operation



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



HOW IT WORKS:

PERSONNEL:

Issue: Who to hire? How many? How to fund?

Fort Carson Solution:

- ⇒ Staffing Levels: 1 Mgr, 1 Systems Mgr, 1 Supply Tech, 3 Env Techs, 2 Data Entry
- ⇒ Qualifications: Environmental, Supply and Automation
- ⇒ Funding: Installation Funded (ABC)



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



HOW IT WORKS:

EQUIPMENT:

Issue: What set up is required for the HMCC?

Fort Carson Solution:

- ⇒ Storage Facilities: HazMat Warehouse; Storage Lockers
- ⇒ PPE: Personal Protective Equipment
- ⇒ Vehicles: Trucks, Materiel Handling Equipment
- ⇒ Office Space: Administrative Area
- ⇒ Hardware: HSMS, SARSS



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



HOW IT WORKS:

SUPPLY:

Issues: How to interface the HMCC with the Army Supply System? What items to stock?

Fort Carson Solution:

- ⇒ Establish the HMCC as a SARSS-1 Site
- ⇒ Establish procedures that utilize existing automation
- ⇒ Stock all Hazardous Material



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



HOW IT WORKS:

GARRISON:

Issue: How are the soldiers supported by the HMCC in Garrison?

Fort Carson Solution:

- ⇒ Schedule an "Amnesty" Day @ BN/SQDN level
- ⇒ Set up a 7 day Garrison Stockage Level (GSL) in unit area
- ⇒ Scheduled pick up of replenishment stocks once a week, from HMCC
- ⇒ Establish 7 day Garrison Demand History



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



HOW IT WORKS:

CONTINGENCIES:

Issue: How to support units with their training mission?

Fort Carson Solution:

- ➔ Establish a 15 day Unit Basic Load (UBL)
- ➔ Maintain the UBL at the HMCC Site
- ➔ Ensure 24 hour access to HMCC Personnel
- ➔ Ensure response time meets Installation requirements
- ➔ Integrate with the G4/DOL
- ➔ Procure deployable HazMat lockers



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



HOW IT WORKS:

COMPLIANCE:

Issue: How does the HMCC contribute to Environmental Compliance?

Fort Carson Solution:

- ⇒ The HMCC provides proper storage for the HazMat
- ⇒ The HMCC personnel ensure proper HazMat mgmt
- ⇒ All HazMat issues are barcoded, aiding in tracking and accountability
- ⇒ HSMS facilitates EPCRA and RCRA Reporting



FORT CARSON'S HMCC CONCEPT OF OPERATIONS



PHARMACY PROGRAMS:

POLLUTION PREVENTION INITIATIVES:

- ➡ ECOLABS, re-refined oil, recycled antifreeze, rechargeable batteries, deployable lockers

PRODUCT SUBSTITUTIONS:

- ➡ Introduced over 100 product substitutions

SHELF-LIFE MANAGEMENT:

- ➡ Approved 9,522 extensions on 12,425 items (\$29,346.51)

DEPLOYMENTS:

- ➡ Provide basic loads for unit deployments
- ➡ Support deployments, field exercises & real world missions



FORT CARSON'S HMCC P2 INITIATIVES



ECOLABS:

What? A system/program to reduce cleaning supplies. An ultra dilution system: concentrated cleaning chemicals are diluted for the end user.

How? The HMCC receives the concentrated chemical and dilutes the product to 3 gal containers. These are issued to units who further dispense the product into spray bottles. Units report to HMCC for refills.

Why? Increased HazMat management
Reduced hazardous waste
Simplified safety management
Reduced exposure



FORT CARSON'S HMCC P2 INITIATIVES



RE-REFINED OIL:

What? The vendor provides delivery of re-refined motor oil to customers at a reduced price. Vendor picks up used oil from the installation at no cost - to be used as base stock for the re-refining process.

How? The HMCC requisitions all motor oil for the installation, utilizing the NSN for the re-refined product. Units coordinate for pick up of their used product directly with the vendor.

Why? Cost Effective
Increased Recycling Effort
Centralized Control



FORT CARSON'S HMCC P2 INITIATIVES



RECYCLED ANTIFREEZE:

What? Vendor delivers premixed, recycled antifreeze to customers at a reduced price. The vendor also picks up used antifreeze from the Installation at no cost - to be used as base stock for the recycling process.

How? The HMCC requisitions all antifreeze for the installation, utilizing the NSN for the recycled product. Units coordinate for pick up of their used product directly with the vendor.

Why? Cost Effective
Increased Recycling Effort
Centralized Control



FORT CARSON'S HMCC P2 INITIATIVES



RECHARGEABLE BATTERIES:

What? Use rechargeable communications/electronics batteries for garrison duty and training.

How? The HMCC requisitions all batteries for the installation, utilizing the NSN for the rechargeable product. Units follow hazardous waste disposal procedures once beyond battery's rechargeable lifetime.

Why? Cost Effective
Increased Recycling Effort
Centralized Control



FORT CARSON'S HMCC P2 INITIATIVES



DEPLOYABLE LOCKERS:

What? Use deployable hazardous material storage lockers for any training exercises and deployments

How? The HMCC maintains a BN/SQDN UBL within these lockers. Issue the locker at time of departure, restock locker at time of return.

Why? Cost Effective
Efficient
Proper storage



FORT CARSON'S HMCC CONSUMPTION REDUCTION



CONSUMPTION DATA FOR DOL:

SHOP	BEFORE	AFTER
PAINT / BODY	115	59
FUEL INJECTION	36	20
MOBILITY / REPAIR	88	21
GENERATOR	42	25
VEHICLE ELECTRIC	29	19



**FORT CARSON'S
HMCC SHELF-LIFE MANAGEMENT**



CARC PAINT:

Item: **ALIPHATIC POLY CARC: TAN 686**

Quantity Onhand: **1472 CANS**

NSN: 8010-01-276-3640

Lot/batch Number: 271691

Unit Of Issue: 5 GI Cn

Unit Price: \$153.79

Shelf-life Expiration Date: Dec 97

Shelf-life Extension: Dec 98

**PROCUREMENT AVOIDANCE:
\$226K**

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FORT CARSON'S HMCC PROJECTED SAVINGS



CARRY-OVER
EXCESS

	FY 99	FY 00	FY 01	FY 02	FY 03
ACQ AVOID	0	750K	750K	750K	750K
EXCESS INV	1,500K	500K	0	0	0
SHELF LIFE EXT	1,400K	450K	0	0	0
POT DISP COST	2,250K	750K	75K	75K	75K
PROD REUSE	1,000K	340K	0	0	0
PROD SUB	200K	200K	100K	50K	50K
SUB TOTAL	3,450K	1,290K	925K	875K	875K
LABOR	500K	500K	400K	300K	300K
FACILITIES	300K	0	0	0	0
NET AVOIDANCE	2,650K	790K	525K	575K	575K

AVOIDANCE OVER
THE POM

\$5.1M

ADDITIONAL COST AVOIDANCES:

→ ENVIRONMENTAL FINES & PENALTIES

→ CREDIT CARD PURCHASES



**FORT CARSON'S
HMCC POINT OF CONTACT**



**FOR ADDITIONAL INFORMATION,
PLEASE CONTACT:**

MS ANJU CHUGH, HMCC MANAGER

PHONE: 719 526 6013

FAX: 719 526 5587

EMAIL: ACHUGH@ RTP.PES.COM